

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

P.O. BOX 1980

H. BS NEW MEXICO 88740

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.
NM-86151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Tomcat "18"
Federal #1

9. API WELL NO.
30-025-33364

10. FIELD AND POOL, OR WILDCAT

Sand Dunes Bone Spring

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 18, T-23S, R-32E

12. COUNTY OR
PARISH

Lea

13. STATE

NM

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, TX 79701 915/687-3551

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

(A), 660' FNL & 990' FEL, Sec. 18, T-23S, R-32E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

5/9/96

16. DATE T.D. REACHED

5/23/96

17. DATE COMPL. (Ready to prod.)

6/8/96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3575' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9349'

21. PLUG, BACK T.D., MD & TVD

9021'

22. IF MULTIPLE COMPL.,
HOW MANY* N/A

23. INTERVALS
DRILLED BY

ROTARY TOOLS
A11

CABLE TOOLS
N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

8677' - 8694' (Bone Spring)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

SDL/DSN; Microlog; HRI/GR

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40	48.0	622'	17-1/2"	600 sx Cl C (circ'd)	None
8-5/8" K-55	32.0	4450'	11"	1000 sx Poz & C (circ'd)	None
5-1/2" K-55	15.5 & 17.0	9348'	7-7/8"	1050 sx C-Lite & "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	8585'	N/A

31. PERFORATION RECORD (Interval, size and number)

8677-85' & 8690-94' w/4" csg gun, 26 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8677' - 8694'	Frac'd w/ 24,000 gal gel & 81,000# Ottawa, 14,000# resin coated sand.

33.* PRODUCTION

DATE FIRST PRODUCTION 6/6/96		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 6/9/96	HOURS TESTED 24	CHOKE SIZE 20/64"	PROD'N. FOR TEST PERIOD →	OIL - BBL 175	GAS - MCF. 632	WATER - BBL 0	GAS - OIL RATIO 3611
FLOW. TUBING PRESS. 200	CASING PRESSURE 700	CALCULATED 24-HOUR RATE →	OIL - BBL 175	GAS - MCF. 632	WATER - BBL 0	OIL GRAVITY - API (CORR.) 38 deg	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Currently shut-in waiting on connection

ACCEPTED FOR RECORD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

C-104, Deviation Survey, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Senior Production Clerk

DATE

6/17/96

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Delaware	4606	
				Ramsey	4660	
				Cherry Canyon	5634	
				Brushy Canyon	7220	
				Bone Spring	8564	
				Avalon Sand	8671	
				1st BS Sand	8960	

38. GEOLOGIC MARKERS